

Form PTO 1449 Rev. 7-80	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. PO8028/MD-03-34	Serial No. To Be Assigned
LIST OF PRIOR ART CITED BY APPLICANT (Use Several Sheets If Necessary)		Applicant Robert A. Pyles et al	
		Filing Date Herewith	Group 12-11-D3

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ME	AA	3,514,246	05/26/70	Bianco et al	8	4	
	AB	3,532,454	10/06/70	Fuhr et al	8	4	
	AC	3,630,664	12/28/71	Nentwig et al	8	173	
	AD	3,953,167	04/27/76	Minemura et al	8	175	
	AE	4,076,496	02/28/78	Hamano	8	4	
	AF	4,310,330	01/12/82	Funaki et al	8	506	
	AG	4,465,728	08/14/84	Haigh, deceased et al	428	156	
	AH	4,812,142	03/14/89	Brodmann	8	512	
	AI	5,453,100	09/26/95	Sieloff	8	479	
	AJ	5,205,862	04/27/93	Kiyomoto et al	106	22 R	
ME	AK	5,258,444	11/02/93	Zezinka et al	524	507	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No <sup>a</sup>
ME	AL	55-17156	05/09/80	Japan (Abstract only attached)				
ME	AM	56-31085	03/28/81	Japan (Abstract attached)				X
ME	AN	2000-248476	09/12/00	Japan (Abstract attached)				X
ME	AO	51-59254	05/26/76	Japan (Abstract only attached)				
ME	AP	00/14325	03/16/00	World Patent				

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	AR		
	AS		
	AT		
	<i>Margaret Lenzman</i>		DATE CONSIDERED <i>5/12/05</i>
EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.			

\* Neither English Language Equivalent nor an English Language Translation is available.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ME	AA	6,141,027	10/31/00	Akutsu et al	347	163	
	AB	6,454,845 B1	09/24/02	Shawcross et al	106	31.49	
	AC	6,464,733 B2	10/15/02	Ryser	8	444	
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	AE						
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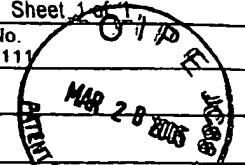
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Rev. 7-80 Patent and Trademark Office  
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Applicant

Robert A. Pyles et al

Filing Date

December 11, 2003

Group

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE
ME	AA	6,733,543	5/11/2004	Pyles et al	8	506	
ME	AB	6,749,646	6/15/04	Pyles et al	8	506	
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	AJ						
	AK						

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